

What is claimed is:

1. A method of inhibiting the growth of a cancerous cell, comprising contacting the interior of the cell with an effective amount of a RhoB protein or a variant thereof.
2. The method of claim 1 comprising: introducing a nucleic acid construct encoding the RhoB protein or a variant thereof into the cell, whereby the RhoB protein, or variant thereof, is made within the cell from the construct.
- 10 3. The method of claim 1 comprising: introducing the RhoB protein or variant thereof into the cell.
4. The method of claim 1, wherein the RhoB protein is delivered to the cell using a carrier and a targeting molecule.
5. The method of claim 1 wherein the cancerous cell comprises a solid tumor.
- 15 6. A therapeutic composition comprising: RhoB, a variant of RhoB, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.
7. A method of suppressing malignant transformation of a cell, comprising administering to the cell a composition comprising RhoB, a variant of RhoB, or a pharmaceutically acceptable salt thereof.
- 20 8. A method of inhibiting tumor growth, comprising administering to the tumor a composition comprising RhoB, a variant of RhoB, or a pharmaceutically acceptable salt thereof.
9. A method of inducing apoptosis in a transformed cell, comprising administering to the cell a composition comprising RhoB, a variant of RhoB, or a pharmaceutically acceptable salt thereof.
- 25 10. A method of inhibiting oncogenic signaling in a cell, comprising administering to the cell a composition comprising RhoB, a variant of RhoB, or a pharmaceutically acceptable salt thereof.
- 30 11. A prophylactic method for preventing malignant transformation of a cell, comprising administering to the cell a composition comprising RhoB, a variant of RhoB, or a pharmaceutically acceptable salt thereof.

12. A method for decreasing phosphorylated protein in a transformed cell, wherein the protein is Akt, Erk1, or Erk2, comprising:

contacting the interior of the cell with an effective amount of a RhoB protein or a variant thereof.

5 13. A nucleic acid construct comprising:

a region encoding an amino acid sequence substantially similar to RhoB and comprising a sequence directing prenylation of the RhoB; and sequences directing expression of the RhoB.

14. The nucleic acid construct of claim 12 wherein the prenylation is
10 farnesylation.

15. The nucleic acid construct of claim 12 wherein the prenylation is geranylgeranylation.

16. A method of inhibiting the growth of a cancerous cell, comprising:
contacting the interior of the cell with an effective amount of a RhoB protein
15 or a variant thereof; and
administering at least one additional therapy selected from the group consisting of chemotherapy, radiation therapy, and therapy that selectively inhibits Ras oncogenic signaling.